

PATENT APPLICATION

16569 Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
U.S. Alexandria, VA 22313-1450

Sir:

Enclosed herewith for filing is the following **utility patent application**:

Applicant(s): Wei Liu
Lawrence West

Title of Application: METHOD OF FABRICATING QUANTUM FEATURES

Pages of specification: 21 (including 7 pages of claims and 1 page of abstract)

Sheets of drawing: 12

Executed on: April 16, 2004 Docket No.: 8346/ETCH/CONE

PATENT APPLICATION FILING FEE CALCULATION
 No. Filed Less Rate/Claim Fee

Total Claims	63	-20	43	x \$18.00	\$ 774.00
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Independent
Claims 2 - 3 0 x \$86.00 \$ 0.00

Minimum Filing Fee \$ 770.00

Multiple Dependency Fee
(if applicable - \$280.00) \$

50% Reduction for Small Entity
(Independent Inventor, Non-profit
Corporation, or Small Business
Concern) - appropriate
verified statement attached - \$ 0.00

Assignment Recordation Fee \$ 40.00

TOTAL FILING FEE \$1,584.00

Kindly charge the entire and/or any additional filing fee, as appropriate, to Deposit Account No. 50-1074. To facilitate that charge, a duplicate copy of this letter is enclosed herewith.

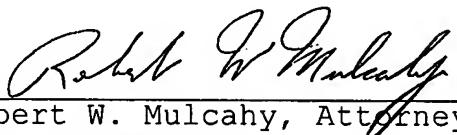
Please direct all correspondence to:

Patent Counsel
Applied Materials, Inc.
P.O. Box 450A
Santa Clara, CA 95052

Also enclosed herewith for filing in connection with the enclosed application are:

X Declaration and Power of Attorney;
X An assignment of the application to
Applied Materials, Inc.;
X 12 sheets of formal drawings.

Respectfully submitted,

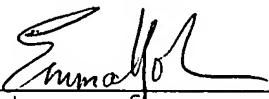


Robert W. Mulcahy, Attorney
Reg. No. 25,436

*****EXPRESS MAIL CERTIFICATION*****

"Express Mail" mailing label number: EV341109442US
Date of deposit: APRIL 16, 2004

I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Signature of person mailing paper or fee

Emma Koh

Name of person mailing paper or fee

UNITED STATES PATENT APPLICATION FOR:

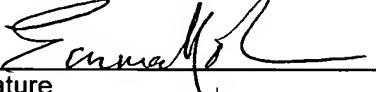
METHOD OF FABRICATING QUANTUM FEATURES

INVENTOR:

**WEI LIU
LAWRENCE WEST**

CERTIFICATION OF MAILING UNDER 37 C.F.R. 1.10

I hereby certify that this New Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service on APRIL 16, 2004, in an envelope marked as "Express Mail United States Postal Service", Mailing Label No. EV341109442 US, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Signature

Emma Koh

Name

APRIL 16, 2004

Date of signature

ATTORNEY DOCKET NUMBER: 8346/ETCH/CONE

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